

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A single-phase motor having comprising:

a stator including a stator iron core formed by laminating a plurality of electromagnetic steel sheets and provided with a slot and single-phase two-pole distributed windings composed of a main winding and an auxiliary winding contained in the slot; and

a rotor placed through a gap on an inner circumference of the stator; and,

~~the single-phase motor comprising~~

at least five notches each having a roughly straight lined shape on an outer circumference edge of the stator iron core, so that a quadrangle is formed by straight lines including four notches out of the at least five notches.

2. (Original) The single-phase motor of claim 1, wherein the single-phase motor comprises six notches, so that a rectangle or a square is formed by straight lines including four notches out of the six notches.

3. (Original) The single-phase motor of claim 1, wherein the stator iron core is provided with a plurality of slots, among a plurality of slots, at an outer

circumferential side of which a notch is not placed, at least one slot is made to have a deeper depth in a radial direction than a slot, at an outer circumferential side of which a notch is placed, so that a large slot and a small slot are formed.

4. (Original) The single-phase motor of claim 3, wherein winding to be contained in the large slot has a higher cross section ratio for a slot area than winding to be contained in the small slot.
5. (Original) The single-phase motor of claim 3, wherein an outer winding of a concentric main winding is inserted in the large slot.
6. (Original) The single-phase motor of claim 1, wherein, in case of inserting windings, the main winding is inserted after the auxiliary winding is inserted to the slot.
7. (Original) A hermetic compressor comprising the single-phase motor of claim 1.
8. (Currently Amended) A single-phase motor having comprising:
a stator including a stator iron core formed by laminating a plurality of electromagnetic steel sheets and provided with a slot between stator teeth, and single-phase two-pole distributed windings composed of a main winding and an auxiliary winding contained in the slot; and

a rotor placed through a gap on an inner circumference of the stator; and,
~~the single-phase motor comprising~~
a semicircular notch having an approximately same width as the stator teeth
on an outer circumference of the stator iron core.

9. (Original) A hermetic compressor comprising the single-phase motor of claim 8.